



Full wwPDB X-ray Structure Validation Report ⓘ

Feb 1, 2016 – 08:52 AM GMT

PDB ID : 3GBJ
Title : Crystal structure of the motor domain of kinesin KIF13B bound with ADP
Authors : Tong, Y.; Shen, L.; Shen, Y.; Tempel, W.; Arrowsmith, C.H.; Edwards, A.M.; Bountra, C.; Weigelt, J.; Bochkarev, A.; Park, H.; Structural Genomics Consortium (SGC)
Deposited on : 2009-02-19
Resolution : 2.10 Å(reported)

This is a Full wwPDB X-ray Structure Validation Report for a publicly released PDB entry.
We welcome your comments at validation@mail.wwpdb.org
A user guide is available at
<http://wwpdb.org/validation/2016/XrayValidationReportHelp>
with specific help available everywhere you see the ⓘ symbol.

The following versions of software and data (see [references ⓘ](#)) were used in the production of this report:

MolProbity : 4.02b-467
Mogul : 1.7 (RC4), CSD as536be (2015)
Xtriage (Phenix) : 1.9-1692
EDS : rb-20026688
Percentile statistics : 20151230.v01 (using entries in the PDB archive December 30th 2015)
Refmac : 5.8.0135
CCP4 : 6.5.0
Ideal geometry (proteins) : Engh & Huber (2001)
Ideal geometry (DNA, RNA) : Parkinson et al. (1996)
Validation Pipeline (wwPDB-VP) : trunk26865

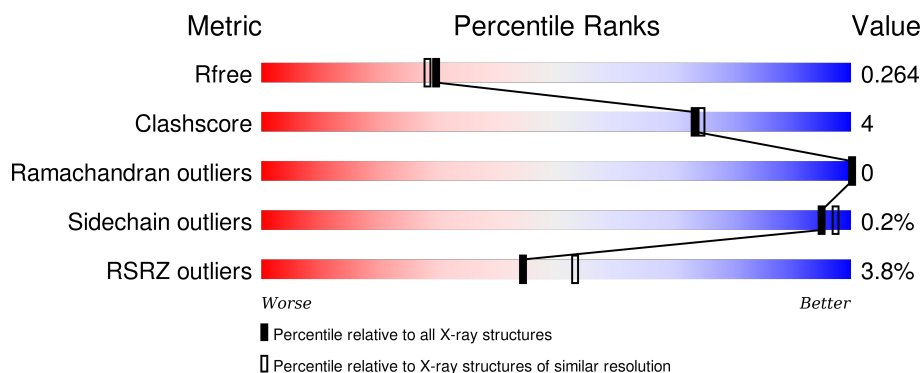
1 Overall quality at a glance ⓘ

The following experimental techniques were used to determine the structure:

X-RAY DIFFRACTION

The reported resolution of this entry is 2.10 Å.

Percentile scores (ranging between 0-100) for global validation metrics of the entry are shown in the following graphic. The table shows the number of entries on which the scores are based.



Metric	Whole archive (#Entries)	Similar resolution (#Entries, resolution range(Å))
R_{free}	91344	3939 (2.10-2.10)
Clashscore	102246	4460 (2.10-2.10)
Ramachandran outliers	100387	4413 (2.10-2.10)
Sidechain outliers	100360	4414 (2.10-2.10)
RSRZ outliers	91569	3948 (2.10-2.10)

The table below summarises the geometric issues observed across the polymeric chains and their fit to the electron density. The red, orange, yellow and green segments on the lower bar indicate the fraction of residues that contain outliers for ≥ 3 , 2, 1 and 0 types of geometric quality criteria. A grey segment represents the fraction of residues that are not modelled. The numeric value for each fraction is indicated below the corresponding segment, with a dot representing fractions $\leq 5\%$. The upper red bar (where present) indicates the fraction of residues that have poor fit to the electron density. The numeric value is given above the bar.

Mol	Chain	Length	Quality of chain
1	A	354	<div> <div>3%</div> <div>78%</div> <div>7%</div> <div>15%</div> </div>
1	B	354	<div> <div>%</div> <div>77%</div> <div>7%</div> <div>16%</div> </div>
1	C	354	<div> <div>6%</div> <div>74%</div> <div>9%</div> <div>17%</div> </div>

The following table lists non-polymeric compounds, carbohydrate monomers and non-standard residues in protein, DNA, RNA chains that are outliers for geometric or electron-density-fit criteria:

Mol	Type	Chain	Res	Chirality	Geometry	Clashes	Electron density
4	UNX	A	1	-	-	-	X
4	UNX	A	358	-	-	-	X
4	UNX	B	2	-	-	-	X
4	UNX	C	3	-	-	-	X

2 Entry composition

There are 5 unique types of molecules in this entry. The entry contains 6756 atoms, of which 0 are hydrogens and 0 are deuteriums.

In the tables below, the ZeroOcc column contains the number of atoms modelled with zero occupancy, the AltConf column contains the number of residues with at least one atom in alternate conformation and the Trace column contains the number of residues modelled with at most 2 atoms.

- Molecule 1 is a protein called KIF13B protein.

Mol	Chain	Residues	Atoms					ZeroOcc	AltConf	Trace
1	A	302	Total	C	N	O	S	0	0	0
			2201	1388	361	440	12			
1	B	298	Total	C	N	O	S	0	0	0
			2204	1387	372	433	12			
1	C	294	Total	C	N	O	S	0	0	0
			2126	1337	356	421	12			

There are 18 discrepancies between the modelled and reference sequences:

Chain	Residue	Modelled	Actual	Comment	Reference
A	352	HIS	-	EXPRESSION TAG	UNP A0JLQ2
A	353	HIS	-	EXPRESSION TAG	UNP A0JLQ2
A	354	HIS	-	EXPRESSION TAG	UNP A0JLQ2
A	355	HIS	-	EXPRESSION TAG	UNP A0JLQ2
A	356	HIS	-	EXPRESSION TAG	UNP A0JLQ2
A	357	HIS	-	EXPRESSION TAG	UNP A0JLQ2
B	352	HIS	-	EXPRESSION TAG	UNP A0JLQ2
B	353	HIS	-	EXPRESSION TAG	UNP A0JLQ2
B	354	HIS	-	EXPRESSION TAG	UNP A0JLQ2
B	355	HIS	-	EXPRESSION TAG	UNP A0JLQ2
B	356	HIS	-	EXPRESSION TAG	UNP A0JLQ2
B	357	HIS	-	EXPRESSION TAG	UNP A0JLQ2
C	352	HIS	-	EXPRESSION TAG	UNP A0JLQ2
C	353	HIS	-	EXPRESSION TAG	UNP A0JLQ2
C	354	HIS	-	EXPRESSION TAG	UNP A0JLQ2
C	355	HIS	-	EXPRESSION TAG	UNP A0JLQ2
C	356	HIS	-	EXPRESSION TAG	UNP A0JLQ2
C	357	HIS	-	EXPRESSION TAG	UNP A0JLQ2

- Molecule 2 is ADENOSINE-5'-DIPHOSPHATE (three-letter code: ADP) (formula: C₁₀H₁₅N₅O₁₀P₂).



Mol	Chain	Residues	Atoms					ZeroOcc	AltConf
2	A	1	Total 27	C 10	N 5	O 10	P 2	0	0
2	B	1	Total 27	C 10	N 5	O 10	P 2	0	0
2	C	1	Total 27	C 10	N 5	O 10	P 2	0	0

- Molecule 3 is MAGNESIUM ION (three-letter code: MG) (formula: Mg).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
3	B	1	Total Mg 1 1	0	0
3	A	1	Total Mg 1 1	0	0
3	C	1	Total Mg 1 1	0	0

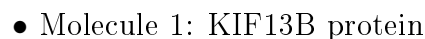
- Molecule 4 is UNKNOWN ATOM OR ION (three-letter code: UNX) (formula: X).

Mol	Chain	Residues	Atoms	ZeroOcc	AltConf
4	B	2	Total X 2 2	0	0
4	A	2	Total X 2 2	0	0
4	C	1	Total X 1 1	0	0

- Molecule 5 is water.

Mol	Chain	Residues	Atoms		ZeroOcc	AltConf
5	A	39	Total 39	O 39	0	0
5	B	63	Total 63	O 63	0	0
5	C	34	Total 34	O 34	0	0

- Molecule 1: KIF13B protein





4 Data and refinement statistics

Property	Value	Source
Space group	P 1 21 1	Depositor
Cell constants a, b, c, α , β , γ	74.23Å 86.52Å 94.95Å 90.00° 106.80° 90.00°	Depositor
Resolution (Å)	39.06 – 2.10 39.06 – 2.10	Depositor EDS
% Data completeness (in resolution range)	98.9 (39.06-2.10) 99.5 (39.06-2.10)	Depositor EDS
R_{merge}	0.07	Depositor
R_{sym}	(Not available)	Depositor
$\langle I/\sigma(I) \rangle$ ¹	2.02 (at 2.10Å)	Xtriage
Refinement program	PHENIX	Depositor
R, R_{free}	0.221 , 0.269 0.217 , 0.264	Depositor DCC
R_{free} test set	1777 reflections (2.74%)	DCC
Wilson B-factor (Å ²)	39.9	Xtriage
Anisotropy	0.153	Xtriage
Bulk solvent k_{sol} (e/Å ³), B_{sol} (Å ²)	0.32 , 50.5	EDS
Estimated twinning fraction	No twinning to report.	Xtriage
L-test for twinning ²	$\langle L \rangle = 0.49$, $\langle L^2 \rangle = 0.33$	Xtriage
Outliers	0 of 66643 reflections	Xtriage
F_o, F_c correlation	0.95	EDS
Total number of atoms	6756	wwPDB-VP
Average B, all atoms (Å ²)	46.0	wwPDB-VP

Xtriage's analysis on translational NCS is as follows: *The largest off-origin peak in the Patterson function is 4.09% of the height of the origin peak. No significant pseudotranslation is detected.*

¹Intensities estimated from amplitudes.

²Theoretical values of $\langle |L| \rangle$, $\langle L^2 \rangle$ for acentric reflections are 0.5, 0.375 respectively for untwinned datasets, and 0.333, 0.2 for perfectly twinned datasets.

5 Model quality

5.1 Standard geometry

Bond lengths and bond angles in the following residue types are not validated in this section: UNX, MG, ADP

The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 5$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Chain	Bond lengths		Bond angles	
		RMSZ	# Z >5	RMSZ	# Z >5
1	A	0.29	0/2231	0.47	0/3029
1	B	0.34	0/2237	0.50	0/3034
1	C	0.29	0/2158	0.48	0/2935
All	All	0.31	0/6626	0.48	0/8998

There are no bond length outliers.

There are no bond angle outliers.

There are no chirality outliers.

There are no planarity outliers.

5.2 Too-close contacts

In the following table, the Non-H and H(model) columns list the number of non-hydrogen atoms and hydrogen atoms in the chain respectively. The H(added) column lists the number of hydrogen atoms added and optimized by MolProbity. The Clashes column lists the number of clashes within the asymmetric unit, whereas Symm-Clashes lists symmetry related clashes.

Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
1	A	2201	0	2020	13	0
1	B	2204	0	2073	16	0
1	C	2126	0	1923	23	0
2	A	27	0	12	0	0
2	B	27	0	12	0	0
2	C	27	0	12	0	0
3	A	1	0	0	0	0
3	B	1	0	0	0	0
3	C	1	0	0	0	0
4	A	2	0	0	0	0

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Mol	Chain	Non-H	H(model)	H(added)	Clashes	Symm-Clashes
4	B	2	0	0	0	0
4	C	1	0	0	0	0
5	A	39	0	0	0	0
5	B	63	0	0	0	0
5	C	34	0	0	0	0
All	All	6756	0	6052	52	0

The all-atom clashscore is defined as the number of clashes found per 1000 atoms (including hydrogen atoms). The all-atom clashscore for this structure is 4.

All (52) close contacts within the same asymmetric unit are listed below, sorted by their clash magnitude.

Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:13:ARG:O	1:C:332:PRO:HG3	1.93	0.67
1:B:181:PRO:HG3	1:B:312:TRP:CD2	2.34	0.61
1:B:36:ILE:HD12	1:B:36:ILE:N	2.19	0.57
1:B:170:THR:O	1:B:170:THR:HG23	2.05	0.56
1:B:166:GLY:HA2	1:B:169:GLN:HG3	1.87	0.56
1:B:194:TYR:O	1:B:197:ILE:HG22	2.06	0.56
1:C:194:TYR:O	1:C:197:ILE:HG22	2.07	0.55
1:A:13:ARG:O	1:A:332:PRO:HG3	2.06	0.55
1:B:166:GLY:HA2	1:B:169:GLN:CG	2.37	0.55
1:C:181:PRO:HG3	1:C:312:TRP:CD2	2.43	0.54
1:A:198:GLU:HA	1:A:201:MET:CE	2.38	0.53
1:C:85:GLU:HA	1:C:85:GLU:OE1	2.09	0.53
1:C:86:ASN:HB3	1:C:323:LYS:NZ	2.24	0.52
1:B:83:LEU:CD1	1:B:327:VAL:HG22	2.40	0.52
1:C:304:PRO:HB3	1:C:307:ASP:OD2	2.11	0.51
1:C:282:THR:HG23	1:C:304:PRO:HB2	1.93	0.51
1:C:123:ILE:HB	1:C:124:PRO:HD3	1.93	0.50
1:B:221:ARG:O	1:B:276:ILE:HD11	2.10	0.50
1:A:126:LEU:HD21	1:A:249:LEU:HD13	1.92	0.50
1:A:198:GLU:HA	1:A:201:MET:HE2	1.94	0.49
1:A:194:TYR:O	1:A:197:ILE:HG22	2.14	0.48
1:A:63:TRP:CZ2	1:A:65:MET:HB2	2.50	0.47
1:C:126:LEU:HD21	1:C:249:LEU:HD13	1.96	0.47
1:C:90:ASN:ND2	1:C:323:LYS:HG2	2.30	0.46
1:B:15:MET:HE2	1:B:26:CYS:HB2	1.96	0.46
1:C:162:LEU:HD13	1:C:189:LEU:HD12	1.98	0.46
1:B:303:VAL:HA	1:B:304:PRO:HD3	1.71	0.46
1:C:17:ARG:HD3	1:C:17:ARG:O	2.16	0.45

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Atom-1	Atom-2	Interatomic distance (Å)	Clash overlap (Å)
1:C:286:VAL:O	1:C:289:ALA:HB3	2.16	0.45
1:B:148:VAL:HG21	1:B:197:ILE:HG13	1.99	0.44
1:C:201:MET:HB2	1:C:201:MET:HE3	1.78	0.44
1:B:130:LEU:HD23	1:B:130:LEU:C	2.38	0.44
1:A:131:PHE:HZ	1:A:191:VAL:HG23	1.83	0.44
1:C:86:ASN:HB3	1:C:323:LYS:HZ2	1.83	0.43
1:B:163:ASP:HA	1:B:164:PRO:HD2	1.85	0.43
1:C:286:VAL:HG22	1:C:303:VAL:HG12	2.00	0.43
1:A:148:VAL:HG11	1:A:200:LEU:HD12	2.01	0.42
1:B:7:LYS:HD2	1:B:83:LEU:CD2	2.48	0.42
1:B:123:ILE:HB	1:B:124:PRO:HD3	2.01	0.42
1:A:144:PHE:CE1	1:A:232:HIS:CG	3.07	0.42
1:A:79:VAL:HG12	1:A:122:LEU:HD21	2.02	0.42
1:C:92:PHE:CE1	1:C:133:ARG:HD3	2.55	0.42
1:C:99:ILE:HA	1:C:325:ALA:O	2.19	0.42
1:A:290:LEU:HD13	1:A:318:LEU:O	2.20	0.42
1:C:92:PHE:CZ	1:C:133:ARG:HD3	2.55	0.41
1:B:30:VAL:HG22	1:B:61:CYS:SG	2.61	0.41
1:C:331:SER:HA	1:C:332:PRO:HD3	1.87	0.41
1:C:304:PRO:O	1:C:305:TYR:C	2.59	0.41
1:A:83:LEU:CD1	1:A:327:VAL:HG22	2.51	0.40
1:A:38:ASN:HA	1:A:39:PRO:HD3	1.89	0.40
1:C:181:PRO:HG3	1:C:312:TRP:CG	2.56	0.40
1:C:17:ARG:HD2	1:C:21:ASP:OD2	2.20	0.40

There are no symmetry-related clashes.

5.3 Torsion angles [i](#)

5.3.1 Protein backbone [i](#)

In the following table, the Percentiles column shows the percent Ramachandran outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar resolution.

The Analysed column shows the number of residues for which the backbone conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles
1	A	288/354 (81%)	280 (97%)	8 (3%)	0	100 100

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Mol	Chain	Analysed	Favoured	Allowed	Outliers	Percentiles	
1	B	286/354 (81%)	282 (99%)	4 (1%)	0	100	100
1	C	282/354 (80%)	276 (98%)	6 (2%)	0	100	100
All	All	856/1062 (81%)	838 (98%)	18 (2%)	0	100	100

There are no Ramachandran outliers to report.

5.3.2 Protein sidechains ⓘ

In the following table, the Percentiles column shows the percent sidechain outliers of the chain as a percentile score with respect to all X-ray entries followed by that with respect to entries of similar resolution.

The Analysed column shows the number of residues for which the sidechain conformation was analysed, and the total number of residues.

Mol	Chain	Analysed	Rotameric	Outliers	Percentiles	
1	A	216/302 (72%)	215 (100%)	1 (0%)	92	95
1	B	225/302 (74%)	225 (100%)	0	100	100
1	C	205/302 (68%)	205 (100%)	0	100	100
All	All	646/906 (71%)	645 (100%)	1 (0%)	95	97

All (1) residues with a non-rotameric sidechain are listed below:

Mol	Chain	Res	Type
1	A	150	TYR

Some sidechains can be flipped to improve hydrogen bonding and reduce clashes. There are no such sidechains identified.

5.3.3 RNA ⓘ

There are no RNA molecules in this entry.

5.4 Non-standard residues in protein, DNA, RNA chains ⓘ

There are no non-standard protein/DNA/RNA residues in this entry.

5.5 Carbohydrates [i](#)

There are no carbohydrates in this entry.

5.6 Ligand geometry [i](#)

Of 11 ligands modelled in this entry, 5 are unknown and 3 are monoatomic - leaving 3 for Mogul analysis.

In the following table, the Counts columns list the number of bonds (or angles) for which Mogul statistics could be retrieved, the number of bonds (or angles) that are observed in the model and the number of bonds (or angles) that are defined in the chemical component dictionary. The Link column lists molecule types, if any, to which the group is linked. The Z score for a bond length (or angle) is the number of standard deviations the observed value is removed from the expected value. A bond length (or angle) with $|Z| > 2$ is considered an outlier worth inspection. RMSZ is the root-mean-square of all Z scores of the bond lengths (or angles).

Mol	Type	Chain	Res	Link	Bond lengths			Bond angles		
					Counts	RMSZ	# Z > 2	Counts	RMSZ	# Z > 2
2	ADP	A	2001	3	22,29,29	1.05	2 (9%)	27,45,45	1.81	4 (14%)
2	ADP	B	2001	3	22,29,29	0.99	2 (9%)	27,45,45	1.78	4 (14%)
2	ADP	C	2001	3	22,29,29	0.92	1 (4%)	27,45,45	1.94	4 (14%)

In the following table, the Chirals column lists the number of chiral outliers, the number of chiral centers analysed, the number of these observed in the model and the number defined in the chemical component dictionary. Similar counts are reported in the Torsion and Rings columns. '-' means no outliers of that kind were identified.

Mol	Type	Chain	Res	Link	Chirals	Torsions	Rings
2	ADP	A	2001	3	-	0/12/32/32	0/3/3/3
2	ADP	B	2001	3	-	0/12/32/32	0/3/3/3
2	ADP	C	2001	3	-	0/12/32/32	0/3/3/3

All (5) bond length outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed(Å)	Ideal(Å)
2	B	2001	ADP	O4'-C1'	2.10	1.43	1.41
2	A	2001	ADP	O4'-C1'	2.20	1.44	1.41
2	C	2001	ADP	C5-C4	2.73	1.46	1.40
2	B	2001	ADP	C5-C4	2.83	1.46	1.40
2	A	2001	ADP	C5-C4	3.15	1.47	1.40

All (12) bond angle outliers are listed below:

Mol	Chain	Res	Type	Atoms	Z	Observed($^{\circ}$)	Ideal($^{\circ}$)
2	C	2001	ADP	N3-C2-N1	-7.44	123.19	128.89
2	A	2001	ADP	N3-C2-N1	-7.18	123.39	128.89
2	B	2001	ADP	N3-C2-N1	-6.71	123.76	128.89
2	C	2001	ADP	C2'-C1'-N9	-3.18	109.44	114.29
2	B	2001	ADP	C2'-C1'-N9	-3.13	109.51	114.29
2	C	2001	ADP	C4-C5-N7	-2.96	106.76	109.48
2	A	2001	ADP	C4-C5-N7	-2.78	106.92	109.48
2	B	2001	ADP	C4-C5-N7	-2.75	106.94	109.48
2	C	2001	ADP	PA-O3A-PB	-2.59	123.97	132.67
2	A	2001	ADP	PA-O3A-PB	-2.49	124.33	132.67
2	B	2001	ADP	PA-O3A-PB	-2.20	125.29	132.67
2	A	2001	ADP	C2'-C1'-N9	-2.09	111.10	114.29

There are no chirality outliers.

There are no torsion outliers.

There are no ring outliers.

No monomer is involved in short contacts.

5.7 Other polymers [i](#)

There are no such residues in this entry.

5.8 Polymer linkage issues [i](#)

There are no chain breaks in this entry.

6 Fit of model and data ⓘ

6.1 Protein, DNA and RNA chains ⓘ

In the following table, the column labelled ‘#RSRZ > 2’ contains the number (and percentage) of RSRZ outliers, followed by percent RSRZ outliers for the chain as percentile scores relative to all X-ray entries and entries of similar resolution. The OWAB column contains the minimum, median, 95th percentile and maximum values of the occupancy-weighted average B-factor per residue. The column labelled ‘Q < 0.9’ lists the number of (and percentage) of residues with an average occupancy less than 0.9.

Mol	Chain	Analysed	<RSRZ>	#RSRZ > 2	OWAB(Å ²)	Q < 0.9
1	A	302/354 (85%)	0.03	9 (2%) 54 62	30, 47, 73, 98	0
1	B	298/354 (84%)	0.02	4 (1%) 79 84	24, 37, 61, 81	0
1	C	294/354 (83%)	0.27	21 (7%) 19 26	28, 49, 81, 94	0
All	All	894/1062 (84%)	0.11	34 (3%) 44 53	24, 45, 74, 98	0

All (34) RSRZ outliers are listed below:

Mol	Chain	Res	Type	RSRZ
1	C	289	ALA	4.4
1	C	141	GLU	4.1
1	A	182	TYR	4.0
1	A	273	GLY	3.8
1	C	154	TYR	3.7
1	A	243	GLY	3.6
1	B	274	SER	3.6
1	C	140	GLU	3.4
1	C	143	SER	3.2
1	C	241	THR	3.1
1	C	304	PRO	3.1
1	C	318	LEU	2.9
1	C	92	PHE	2.8
1	C	139	ASN	2.7
1	C	242	SER	2.7
1	A	92	PHE	2.5
1	C	233	THR	2.5
1	A	242	SER	2.4
1	C	167	SER	2.4
1	C	303	VAL	2.3
1	C	84	GLY	2.3
1	C	285	LEU	2.3
1	C	234	LEU	2.3

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Mol	Chain	Res	Type	RSRZ
1	B	235	TYR	2.3
1	A	272	GLU	2.2
1	C	144	PHE	2.2
1	C	232	HIS	2.2
1	B	219	SER	2.2
1	C	68	SER	2.2
1	B	243	GLY	2.1
1	A	174	ARG	2.1
1	A	264	GLY	2.1
1	C	93	ASP	2.1
1	A	95	TYR	2.0

6.2 Non-standard residues in protein, DNA, RNA chains [i](#)

There are no non-standard protein/DNA/RNA residues in this entry.

6.3 Carbohydrates [i](#)

There are no carbohydrates in this entry.

6.4 Ligands [i](#)

In the following table, the Atoms column lists the number of modelled atoms in the group and the number defined in the chemical component dictionary. LLDF column lists the quality of electron density of the group with respect to its neighbouring residues in protein, DNA or RNA chains. The B-factors column lists the minimum, median, 95th percentile and maximum values of B factors of atoms in the group. The column labelled 'Q< 0.9' lists the number of atoms with occupancy less than 0.9.

Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(Å ²)	Q<0.9
4	UNX	C	3	1/1	-0.14	2.97	309.86	26,26,26,26	1
4	UNX	A	358	1/1	0.34	2.86	235.51	24,24,24,24	1
4	UNX	B	2	1/1	0.01	2.51	124.91	21,21,21,21	1
4	UNX	A	1	1/1	-0.38	3.07	61.61	32,32,32,32	1
2	ADP	C	2001	27/27	0.98	0.13	0.59	32,36,54,64	0
2	ADP	B	2001	27/27	0.99	0.12	-0.05	21,30,34,38	0
2	ADP	A	2001	27/27	0.98	0.11	-0.14	30,38,50,56	0
3	MG	A	2000	1/1	0.95	0.15	-	51,51,51,51	0
3	MG	C	2000	1/1	0.90	0.26	-	52,52,52,52	0
4	UNX	B	358	1/1	-0.16	2.40	-	27,27,27,27	1

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Mol	Type	Chain	Res	Atoms	RSCC	RSR	LLDF	B-factors(\AA^2)	Q<0.9
3	MG	B	2000	1/1	0.93	0.21	-	53,53,53,53	0

6.5 Other polymers [i](#)

There are no such residues in this entry.